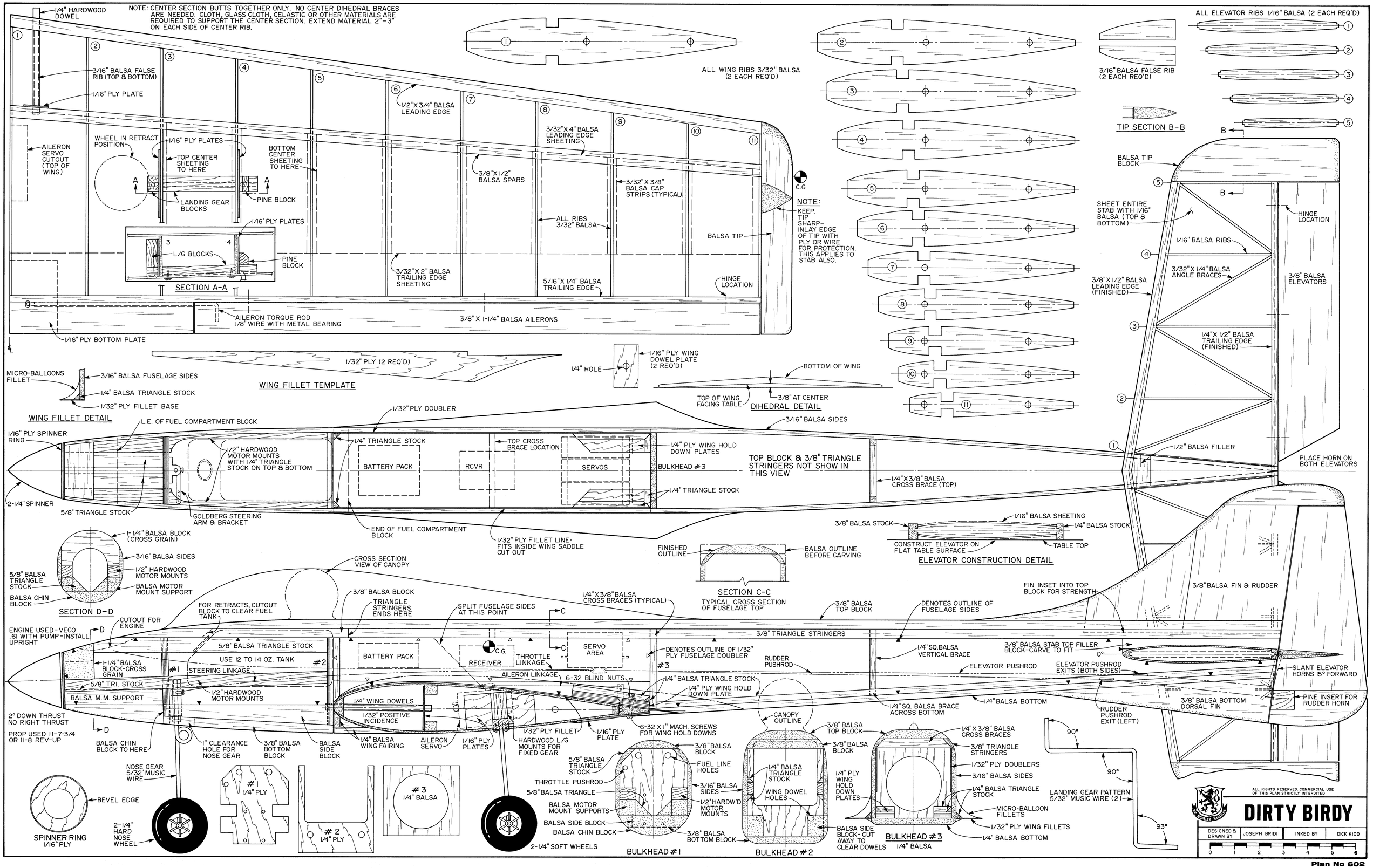
NOTE: CENTER SECTION BUTTS TOGETHER ONLY. NO CENTER DIHEDRAL BRACES ARE NEEDED. CLOTH, GLASS CLOTH, CELASTIC OR OTHER MATERIALS ARE REQUIRED TO SUPPORT THE CENTER SECTION. EXTEND MATERIAL 2"-3" ON EACH SIDE OF CENTER RIB.
1/4" HARDWOOD DOWEL
3/16" BALSA FALSE RIB (TOP & BOTTOM)
1/16" PLY PLATE
AILERON SERVO CUTOUT (TOP OF WING)
WHEEL IN RETRACT POSITION
1/16" PLY PLATES
TOP CENTER SHEETING TO HERE
BOTTOM CENTER SHEETING TO HERE
LANDING GEAR BLOCKS
PINE BLOCK
1/2"X 3/4" BALSA LEADING EDGE
3/32"X 4" BALSA LEADING EDGE SHEETING
3/8"X 1/2" BALSA SPARS
3/32"X 3/8" BALSA CAP STRIPS (TYPICAL)
ALL RIBS 3/32" BALSA
BALSA TIP
C.G.
NOTE: KEEP TIP SHARP- INLAY EDGE OF TIP WITH PLY OR WIRE FOR PROTECTION. THIS APPLIES TO STAB ALSO.
L/G BLOCKS
SECTION A-A
3/32"X 2" BALSA TRAILING EDGE SHEETING
5/16"X 1/4" BALSA TRAILING EDGE
HINGE LOCATION
AILERON TORQUE ROD 1/8" WIRE WITH METAL BEARING
3/8"X 1-1/4" BALSA AILERONS
1/16" PLY BOTTOM PLATE
ALL WING RIBS 3/32" BALSA (2 EACH REQ'D)
ALL ELEVATOR RIBS 1/16" BALSA (2 EACH REQ'D)
3/16" BALSA FALSE RIB (2 EACH REQ'D)
TIP SECTION B-B
BALSA TIP BLOCK
SHEET ENTIRE STAB WITH 1/16" BALSA (TOP & BOTTOM)
HINGE LOCATION
1/16" BALSA RIBS
3/32"X 1/4" BALSA ANGLE BRACES
3/8"X 1/2" BALSA LEADING EDGE (FINISHED)
3/8" BALSA ELEVATORS
1/4"X 1/2" BALSA TRAILING EDGE (FINISHED)
1/32" PLY (2 REQ'D)
WING FILLET TEMPLATE
1/4" HOLE
1/16" PLY WING DOWEL PLATE (2 REQ'D)
BOTTOM OF WING
TOP OF WING FACING TABLE
3/8" AT CENTER
DIHEDRAL DETAIL
MICRO-BALLOONS FILLET
3/16" BALSA FUSELAGE SIDES
1/4" BALSA TRIANGLE STOCK
1/32" PLY FILLET BASE
WING FILLET DETAIL
1/32" PLY DOUBLER
L.E. OF FUEL COMPARTMENT BLOCK
3/16" BALSA SIDES
1/16" PLY SPINNER RING
1/4" TRIANGLE STOCK
TOP CROSS BRACE LOCATION
1/4" PLY WING HOLD DOWN PLATES
1/2" HARDWOOD MOTOR MOUNTS WITH 1/4" TRIANGLE STOCK ON TOP & BOTTOM
BATTERY PACK
RCVR
SERVOS
BULKHEAD #3
TOP BLOCK & 3/8" TRIANGLE STRINGERS NOT SHOW IN THIS VIEW
1/4"X 3/8" BALSA CROSS BRACE (TOP)
1/2" BALSA FILLER
PLACE HORN ON BOTH ELEVATORS
2-1/4" SPINNER
5/8" TRIANGLE STOCK
GOLDBERG STEERING ARM & BRACKET
END OF FUEL COMPARTMENT BLOCK
1/32" PLY FILLET LINE- FITS INSIDE WING SADDLE CUT OUT
1/4" TRIANGLE STOCK
3/8" BALSA STOCK
1/16" BALSA SHEETING
1/4" BALSA STOCK
CONSTRUCT ELEVATOR ON FLAT TABLE SURFACE
TABLE TOP
ELEVATOR CONSTRUCTION DETAIL
1-1/4" BALSA BLOCK (CROSS GRAIN)
3/16" BALSA SIDES
1/2" HARDWOOD MOTOR MOUNTS
5/8" BALSA TRIANGLE STOCK
BALSA MOTOR MOUNT SUPPORT
BALSA CHIN BLOCK
SECTION D-D
CROSS SECTION VIEW OF CANOPY
FINISHED OUTLINE
BALSA OUTLINE BEFORE CARVING
SECTION C-C
TYPICAL CROSS SECTION OF FUSELAGE TOP
3/8" BALSA BLOCK
TRIANGLE STRINGERS ENDS HERE
SPLIT FUSELAGE SIDES AT THIS POINT
1/4"X 3/8" BALSA CROSS BRACES (TYPICAL)
3/8" BALSA TOP BLOCK
DENOTES OUTLINE OF FUSELAGE SIDES
FIN INSET INTO TOP BLOCK FOR STRENGTH
3/8" BALSA FIN & RUDDER
FOR RETRACTS, CUTOUT BLOCK TO CLEAR FUEL TANK
CUTOUT FOR ENGINE
ENGINE USED-VECO .61 WITH PUMP-INSTALL UPRIGHT
3/8" TRIANGLE STRINGERS
5/8" BALSA TRIANGLE STOCK
USE 12 TO 14 OZ. TANK
#2
BATTERY PACK
C.G.
RECEIVER
THROTTLE LINKAGE
SERVO AREA
DENOTES OUTLINE OF 1/32" PLY FUSELAGE DOUBLER
1/4" SQ. BALSA VERTICAL BRACE
3/8" BALSA STAB TOP FILLER BLOCK-CARVE TO FIT
1-1/4" BALSA BLOCK-CROSS GRAIN
#1
STEERING LINKAGE
AILERON LINKAGE
6-32 BLIND NUTS
#3
RUDDER PUSHROD
ELEVATOR PUSHROD
ELEVATOR PUSHROD EXITS (BOTH SIDES)
SLANT ELEVATOR HORNS 15° FORWARD
5/8" TRI. STOCK
1/2" HARDWOOD MOTOR MOUNTS
1/4" BALSA TRIANGLE STOCK
1/4" PLY WING HOLD DOWN PLATE
BALSA M.M. SUPPORT
1/4" WING DOWELS
1/32" POSITIVE INCIDENCE
1/4" SQ. BALSA BRACE ACROSS BOTTOM
1/4" BALSA BOTTOM
RUDDER PUSHROD EXIT (LEFT)
3/8" BALSA BOTTOM DORSAL FIN
PINE INSERT FOR RUDDER HORN
2° DOWN THRUST NO RIGHT THRUST
PROP USED 11-7-3/4 OR 11-8 REV-UP
BALSA CHIN BLOCK TO HERE
1" CLEARANCE HOLE FOR NOSE GEAR
3/8" BALSA BOTTOM BLOCK
BALSA SIDE BLOCK
1/4" BALSA WING FAIRING
AILERON SERVO
1/16" PLY PLATES
HARDWOOD L/G MOUNTS FOR FIXED GEAR
1/32" PLY FILLET
1/16" PLY PLATE
6-32 X 1" MACH. SCREWS FOR WING HOLD DOWNS
CANOPY OUTLINE
3/8" BALSA TOP BLOCK
1/4"X 3/8" BALSA CROSS BRACES
3/8" TRIANGLE STRINGERS
1/32" PLY DOUBLERS
3/16" BALSA SIDES
1/4" BALSA TRIANGLE STOCK
MICRO-BALLOON FILLETS
1/32" PLY WING FILLETS
1/4" BALSA BOTTOM
90°
90°
93°
LANDING GEAR PATTERN 5/32" MUSIC WIRE (2)
NOSE GEAR 5/32" MUSIC WIRE
BEVEL EDGE
SPINNER RING 1/16" PLY
2-1/4" HARD NOSE WHEEL
#1 1/4" PLY
#2 1/4" PLY
#3 1/4" BALSA
5/8" BALSA TRIANGLE STOCK
THROTTLE PUSHROD
5/8" BALSA TRIANGLE
BALSA MOTOR MOUNT SUPPORTS
BALSA SIDE BLOCK
BALSA CHIN BLOCK
2-1/4" SOFT WHEELS
BULKHEAD #1
3/8" BALSA BLOCK
FUEL LINE HOLES
3/16" BALSA SIDES
1/2" HARDW'D MOTOR MOUNTS
3/8" BALSA BOTTOM BLOCK
BULKHEAD #2
1/4" BALSA TRIANGLE STOCK
WING DOWEL HOLES
BALSA SIDE BLOCK- CUT AWAY TO CLEAR DOWELS
1/4" PLY WING HOLD DOWN PLATES
BULKHEAD #3
1/4" BALSA
ALL RIGHTS RESERVED. COMMERCIAL USE OF THIS PLAN STRICTLY INTERDITED
DIRTY BIRDY
DESIGNED & DRAWN BY
JOSEPH BRIDI
INKED BY
DICK KIDD
0 1 2 3 4 5 6
Plan No 602